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Solar-Geophysical Data comprehensive reports



Data for September 1985, and Miscellanea

Explanation of Data Reports Issued as Number 499 (Supplement) March 1986



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Solar - Geophysical Data

Part II (Comprehensive Reports)

NO. 499 MARCH 1986

DATA FOR
SEPTEMBER 1985

Michael A. Chinnery, Director
NATIONAL GEOPHYSICAL DATA CENTER
BOULDER, COLORADO

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NUMBER 499

(Issued in Two Parts)

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M - ALPHA SOLAR FLARES

SEPTEMBER 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0001	KHAR	02	0958E		1010D	N72	E90		09	10.6	120	SF		V	0958			DH
		02	1955		2001	No	Flare	Patrol										
		02	2010		2031	No	Flare	Patrol										
		02	2103		2113	No	Flare	Patrol										
		02	2136		2138	No	Flare	Patrol										
		04	1325		1638	No	Flare	Patrol										
		04	1711		1759	No	Flare	Patrol										
		04	1805		1838	No	Flare	Patrol										
		04	1901		1957	No	Flare	Patrol										
		05	1401		1631	No	Flare	Patrol										
		05	1723		1739	No	Flare	Patrol										
		06	0941		0949	No	Flare	Patrol										
		06	1850		1909	No	Flare	Patrol										
0002	CULG	06	2256	2316	2333U	N06	E03	4693A	09	7.2	37U	SF		C		60	.6	CEGL
		08	1456		1505	No	Flare	Patrol										
		08	1511		1516	No	Flare	Patrol										
		08	1525		1534	No	Flare	Patrol										
		08	1543		1544	No	Flare	Patrol										
		08	2007		2129	No	Flare	Patrol										
		09	2058		2107	No	Flare	Patrol										
0003		12	1123	11232	1128	S11	E90	4694	09	19.2	5	SF				45		G
	RAMY	12	1118E		1129	S09	E90	4694	09	19.2	11D	SF	3	C				
	KANZ	12	1123	1123	1128	S11	E90	4694	09	19.2	5	SF	1					G
	CATA	12	1125E	1125	1145D	S13	E90	4694	09	19.3	200	1F	2	P	1125	45		
0004	KANZ	12	1418	1418U	1426D	S11	E90	4694	09	19.4	8D	SF	1					G
		12	1935		2021	No	Flare	Patrol										
		12	2026		2100	No	Flare	Patrol										
		12	2104		2114	No	Flare	Patrol										
		12	2120		2152	No	Flare	Patrol										
		12	2156		2219	No	Flare	Patrol										
0005		13	0735	07364	0745	S12	E80	4694	09	19.3	10	1N C 1.7				35		T
	CATA	13	0730E	0740	0745D	S11	E78	4694	09	19.2	15D	1B	2	P	0740	56		T
	LEAR	13	0735	0736	0745	S14	E81	4694	09	19.4	10	SF C 1.7	3	C		14		
0006		13	0833	0835	0844	S14	E78	4694	09	19.2	11	SF				15	.6	
	LEAR	13	0833	0839	0844	S14	E78	4694	09	19.2	11	SF	3	C		11		
	ATHN	13	0835E	0840U	0844	S14	E78	4694	09	19.2	9D	SF	3	V	0840	19	.6	
		13	1449		1555	No	Flare	Patrol										
		13	1929		2022	No	Flare	Patrol										
		13	2031		2055	No	Flare	Patrol										
0007	CATA	14	0920	0920	0925	S13	E65	4694	09	19.3	5	SN	2	C	0920	56		T
		14	1346		1353	No	Flare	Patrol										
		14	1431		1445	No	Flare	Patrol										
		14	1449		1503	No	Flare	Patrol										
		14	1554		1617	No	Flare	Patrol										
		14	1628		1637	No	Flare	Patrol										
		14	2034		2043	No	Flare	Patrol										
0008		15	07295	07364	0753	S11	E54	4694	09	19.4	24	1B C 4.3				211	2.8	DFHL
	PEKG	15	0729	0740	0745	S10	E54	4694	09	19.4	16	1B		P	0740	189	3.9	D
	ATHN	15	0733	0736U	0746	S10	E53	4694	09	19.2	13	1B	2	V	0736	207	4.0	
	LEAR	15	0733	0736	0757	S11	E53	4694	09	19.3	24	1B C 4.3	3	C		209		FH
	KANZ	15	0734	0738	0758	S12	E56	4694	09	19.5	24	1N	1					
	WEND	15	0735E		0802	S11	E53	4694	09	19.3	27D	1N C 4.3		C	0735	240	4.2	
	KHAR	15	0742E		0805D	S13	E55	4694	09	19.5	23D	1N		V	0748			DL
		15	1532		1538	No	Flare	Patrol										
0009	RAMY	15	1549	1550	1616	S09	E51	4694	09	19.5	27	SF	3	C		38		F

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Sep 85

See 85

Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks
																(10 ⁻⁶ Disk)			
		15 1930		1946	No Flare	Patrol													
		15 2001		2028	No Flare	Patrol													
0010	CULG	15 2308	2335	2453	S20 W47	4693	09	12.4	105	SN				C		80	1.4	EH	
0011	CULG	16 0007	0013	0033	N34 E02		09	16.2	26	SF				C		90	1.0	EG	
0012		17 0159	0217	0239	S10 E32	4694	09	19.5	40	SN						30	.4	D	
	CULG	17 0156E	0156U	0213	S08 E34	4694	09	19.6	17U	SN				P		40	.5	D	
	CULG	17 0159	0217	0305	S11 E29	4694	09	19.3	66	SF				C		20	.3	D	
		17 1923		1934	No Flare	Patrol													
		17 2012		2053	No Flare	Patrol													
		17 2106		2113	No Flare	Patrol													
		17 2123		2128	No Flare	Patrol													
0013	KANZ	18 1256	1256	1256	S12 E09	4694	09	19.2	66	SF			2						
0014		18 1307*	1307*	1319	S10 E00	4694	09	18.5	12	SF						22			
	RAMY	18 1307	1307	1309	S10 E00	4694	09	18.5	2	SF			3	C		20			
	KANZ	18 1307	1307	1310	S10 E00	4694	09	18.5	3	SF			2						
	KANZ	18 1319	1319	1327	S10 E00	4694	09	18.5	8	SF			2						
	RAMY	18 1319	1321	1330	S09 E00	4694	09	18.5	11	SF			3	C		25			
		18 1516		1535	No Flare	Patrol													
0015		18 15574	1602	1612	S11 E00	4694	09	18.7	15	SN						50	.5		
	WEND	18 1557	1602	1612	S11 E01	4694	09	18.7	15	SN				C	1602	50	.5		
	RAMY	18 1601		1603D	S11 W00	4694	09	18.7	2D	SF			3	C					
		18 2004		2008	No Flare	Patrol													
0016	CULG	18 2100	2117	2145	S09 W12	4694	09	18.0	36	SF				C		80	.8	D	
0017	CULG	18 2211	2215	2241	S06 W10	4694	09	18.2	30	SF				C		60	.6	D	
0018		19 01366	0150	0202	S11 W08	4694	09	18.5	26	SF						30	.3	D	
	CULG	19 0136	0150	0202	S11 W08	4694	09	18.5	26	SF				C		30	.3	D	
	CULG	19 0142	0150	0156D	S11 W08	4694	09	18.5	14D	SF				P		30	.3	D	
		19 1857		1858	No Flare	Patrol													
		19 1928		1950	No Flare	Patrol													
		19 1958		2007	No Flare	Patrol													
		19 2014		2032	No Flare	Patrol													
		19 2048		2057	No Flare	Patrol													
		19 2111		2114	No Flare	Patrol													
0019	HOLL	19 2139E	2141U	2152	S10 W16	4694	09	18.7	13D	SF			3	C		76		FH	
		20 1540		1559	No Flare	Patrol													
0020	KHAR	21 0924E	0927U	0930D	S08 W59		09	17.0	6D	SF				V	0927	20	.4	D	
0021	KHAR	21 0945E		0950D	S22 E74		09	27.1	5D	SF				V	0945			DL	
		21 1450		1533	No Flare	Patrol													
		21 1603		1619	No Flare	Patrol													
		21 1809		1825	No Flare	Patrol													
		21 1857		1901	No Flare	Patrol													
		21 1913		2028	No Flare	Patrol													
0022	CULG	22 0124E	0125U	0233	S12 W41	4694	09	19.0	69D	SF				P		70	1.0	D	
		23 2047		2052	No Flare	Patrol													
		23 2151		2155	No Flare	Patrol													
		24 1506		1640	No Flare	Patrol													
		24 1823		1855	No Flare	Patrol													
		24 2048		2055	No Flare	Patrol													

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Sep 85

H - ALPHA SOLAR FLARES

SEPTEMBER 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Let	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	TV	Time (UT)	Area Measurement			Remarks
																	(10 ⁻⁶ Disk)	Apparent	Corr (Sq Deg)	
		26	0343		0358	No	Flare	Patrol												
		26	0455		0459	No	Flare	Patrol												
		27	1233		1235	No	Flare	Patrol												
		28	1541		1559	No	Flare	Patrol												
		29	1708		1713	No	Flare	Patrol												
		29	1722		1735	No	Flare	Patrol												
		29	1820		1827	No	Flare	Patrol												
		29	1831		1844	No	Flare	Patrol												
		30	1717		1727	No	Flare	Patrol												

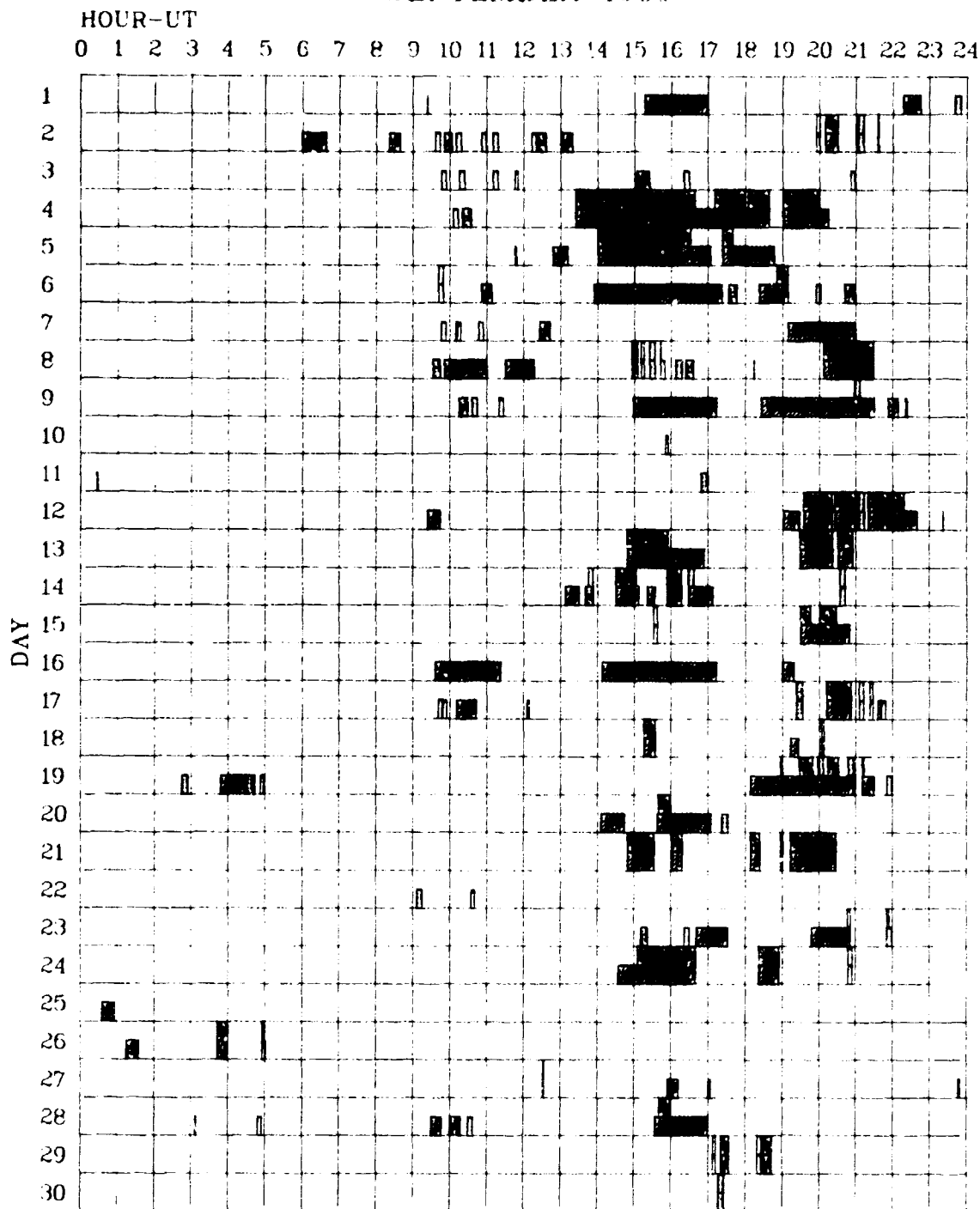
"Remarks":

A = Eruptive prominence whose base is less than 90° from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.

O = Observations have been made in the H and K lines of Ca II.
P = Flare shows helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE SEPTEMBER 1985

7
Sep 85



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani
Athens
Bucharest
Catania

Culgoora
Holloman
Istanbul
Kanzelhoehe

Kharkov
Learmonth
Lvov
Manila

Mitaka
Palehua
Peking
Purple Mt.

Ramey
Tashkent
Voroshilov
Wendelstein

NUMBER OF SOLAR FLARES
(From the Grouped Flare Listings)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1966								391	558	432	417	543
1967	796	589	1009	694	771	629	907	911	573	946	775	1109
1968	1037	773	519	460	768	697	573	611	616	772	556	640
1969	581	504	669	655	839	694	489	551	540	643	566	422
1970	466	646	578	688	722	836	954	780	811	797	687	667
1971	598	505	387	546	461	430	713	673	518	375	431	394
1972	384	599	621	361	614	541	404	515	371	408	175	210
1973	221	171	410	453	388	270	232	182	353	201	136	163
1974	127	148	79	364	255	204	360	187	270	366	153	81
1975	68	82	69	19	42	85	196	346	68	38	127	25
1976	69	12	180	60	38	48	6	47	57	23	13	55
1977	54	77	18	76	64	210	140	140	250	252	107	336
1978	274	588	338	526	330	460	533	346	554	499	418	648
1979	926	781	731	731	907	772	750	821	901	1018	888	786
1980	703	689	621	1092	811	956	763	720	924	988	1027	838
1981	578	782	914	915	658	592	893	982	680	836	773	615
1982	631	763	783	480	540	769	696*	753*	616*	545*	565*	749*
1983	332*	220*	337*	346*	609*	561*	427*	395*	289*	298*	88*	152*
1984	353*	461*	366*	440*	492*	185*	151*	161*	95*	36*	92*	69*
1985	104*	29*	32*	118*	126*	113*	177*	48*	22*			

*Preliminary

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

9
Sep 85

SEPTEMBER 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 w/m 2 Hz)	Mean 2 Hz)		
01	204	IZMI	5 S	0947.2	0947.3	.3	90.0	45.0		
02	930	BORD	41 F	1010.8	1011.0	.8	33.0	2.0		
	33	UPIC	3 S	1155.0	1155.2	.5				
	29	UPIC	1 S	1155.0	1155.2	.6				
	260	ONDR	41 F	1238.0	1238.6	1.0	4.0			
	930	BORD	41 F	1510.2	1510.6	.8	60.0	2.0		
03	930	BORD	41 F	1006.4	1006.4	.5	45.0	2.0		
	260	ONDR	8 S	1008.0	1008.0	.1	10.0			
	930	BORD	8 S	1442.8	1443.3	.6	113.0	2.0		
	930	BORD	41 F	1457.9	1457.9	.4	23.0	2.0		
04	930	BORD	46 C	1007.2	1007.3	.4	52.0	3.0		
	930	BORD	46 C	1500.6	1500.8	.6	72.0	3.0		
05	260	ONDR	8 S	0806.5	0806.5	.1	5.0			
	930	BORD	8 S	1008.5	1008.5	.3	72.0	2.0		
	930	BORD	8 S	1203.0	1203.2	.2	11.0	2.0		
	930	BORD	8 S	1456.8	1456.9	.3	53.0	2.0		
	930	BORD	46 C	1459.6	1500.0	.7	82.0	4.0		
06	3100	CRIM	42 SER	0617.3	0617.8	3.0	1.7	0.6		
	3100	CRIM		0617.3	0630.0	30.0	1.7			
	3100	CRIM	24 R	0654.0	0840.0		2.6			
	930	BORD	8 S	1007.1	1007.3	.6	63.0	3.0		
	930	BORD	8 S	1109.0	1109.1	.3	12.0	2.0		
	930	BORD	41 F	1404.6	1406.1	1.5	216.0	2.0		
07	3750	TYKW	5 S	0803.0	0808.1	11.0	12.0	5.0U		RAIN
	3100	CRIM	20 GRF	0813.0	0825.0	42.0	1.5	.5		
	260	ONDR	42 SER	1111.0	1132.0	27.0	7.0			
09	204	IZMI	7 C	0858.0	0858.2	15.0	50.0	25.0		
	930	BORD	8 S	1004.5	1004.8	.7	82.0	2.0		
10	204	IZMI	7 C	1147.0	1150.2	7.0	30.0	15.0		
	260	ONDR	8 S	1148.5	1148.5	.1	6.0			
	930	BORD	46 C	1609.0	1609.8	1.0	24.0	4.0		
11	930	BORD	8 S	1013.0	1013.3	.3	185.0	2.0		
	930	BORD	41 F	1039.7	1039.9	.3	13.0	2.0		
	930	BORD	41 F	1526.4	1526.9	.6	55.0	3.0		
12	3100	CRIM	24 R	1056.5	1058.1		2.5			
	930	BORD	8 S	1310.8	1311.1	.4	22.0	2.0		
	930	BORD	46 C	1507.0	1507.5	.6	42.0	3.0		
	930	BORD	8 S	1548.7	1548.8	.2	16.0	2.0		
	930	BORD	41 F	1626.9	1627.1	.6	19.0	2.0		
13	930	BORD	41 F	0514.0	0615.4	1.5	19.0	2.0		
	930	BORD	8 S	1114.8	1115.0	.4	13.0	2.0		
	33	UPIC	2 S/F	1143.0	1143.2	.4				
	29	UPIC	1 S	1143.2	1143.5	.5				
	930	BORD	46 C	1410.6	1411.1	.7	262.0	4.0		
	930	BORD	42 SER	1514.6	1535.5	21.0	58.0	2.0		
14	204	IZMI	41 F	1106.0	1106.5	.8	110.0			
15	536	ONDR	8 S	0636.0	0636.0	.2	35.0			
	3100	CRIM	3 S	0722.0	0724.8	5.0	8.0	3.0		
	3100	CRIM	29 PBI	0727.0	0727.0	9.0	3.0	1.0		
	3750	TYKW	45 C	0732.0	0734.8	5.0	9.0	3.0		
	2000	TYKW	45 C	0732.0	0734.8	5.0	5.0	2.0		
	1000	TYKW	45 C	0732.0	0734.9	5.0	4.0	1.5		
	950	GORK	46 C	0732.3	0733.8	5.0	3.0			
	950	GORK		0732.3	0734.9		2.0			
	1470	POTS	4 S/F	0732.3	0735.0	4.2U	10.0			
	500	HIRA	46 C	0732.3	0736.1	5.5	39.0	4.0		0
	650	GORK	4 S/F	0732.5	0733.9	6.1	17.0			
	2840	FEKG	3 S	0732.5	0734.7	17.5	9.6	4.2		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

SEPTEMBER 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)		
15	2950	GORK	21 GRF	0732.6	0737.8	17.1	2.1			
	3000	POTS	4 S/F	0733.0	0734.9	4.0	8.0			
	610	LEAR	8 S	0733.5	0733.8	.8	18.0			QL=6 ST=2 TYP=3
	2950	GORK	4 S/F	0733.9	0734.7	2.7	5.6			
	9400	TYKW	45 C	0734.0	0734.7	15.0	8.0	3.0		
	1415	LEAR	8 S	0734.1	0735.0	1.0	17.0			QL=6 ST=2 TYP=3
	9500	POTS	20 GRF	0734.5	0738.0	16.0	9.0			
	9100	GORK	20 GRF	0734.5	0741.5	15.4	6.7			
	2695	LEAR	8 S	0734.6	0734.8	.4	6.0			QL=6 ST=2 TYP=3
	3750	TYKW	29 PBI	0737.0		15.0	3.0	1.5		
	2000	TYKW	29 PBI	0737.0		15.0	2.0	1.0		
	260	ONDR	4 S/F	0737.0	0737.5	1.2	11.0			
	204	IZMI	41 F	0752.2	0753.0	1.2	360.0			
	260	ONDR	41 F	1208.0	1208.5	1.0	14.0			
16	9395	LEKG	1 S	0150.0	0150.5	1.5	9.7	4.8		
	930	BORD	8 S	0815.2	0815.5	.6	15.0	2.0		
	930	BORD	8 S	0821.5	0821.7	.6	67.0	2.0		
	930	BORD	8 S	1001.6	1002.1	1.0	360.0	2.0		
	260	ONDR	40 F	1010.5	1014.0	3.5	2.0			
	930	BORD	8 S	1106.2	1106.4	.4	22.0	2.0		
	930	BORD	46 C	1508.8	1509.2	.6	175.0	3.0		
17	245	LEAR	44 NS	2234.0E	0210.6		36.0			QL=6 ST=1 TYP=1
	9395	PEKG	40 F	0147.0	0156.2	18.0	24.9	11.4		
	930	BORD	8 S	1006.6	1006.8	.5	113.0	2.0		
	930	BORD	8 S	1033.6	1033.7	.3	16.0	2.0		
	930	BORD	46 C	1522.4	1522.7	.6	63.0	3.0		
	930	BORD	8 S	1609.6	1609.8	.3	11.0	2.0		
	930	BORD	46 C	1724.8	1725.0	.5	24.0	3.0		
18	260	ONDR	44 NS	0710.0E	1132.5	442.00	190.00			
	500	HIRA	8 S	0308.6	0308.8	.6	3.0			WR
	100	HIRA	8 S	0308.7	0309.0	.7	380.0			0
	200	HIRA	8 S	0308.7	0309.0	.7	72.0			0
	204	IZMI	42 SER	0854.5	0857.0	2.5	80.0			
	930	BORD	8 S	0958.6	0958.7	.3	154.0	2.0		
	204	IZMI	5 S	1007.5	1008.0	1.0	85.0	40.0		
	204	IZMI	42 SER	1102.0	1132.2	53.0	900.0			
	536	ONDR	40 F	1109.0		12.5	4.0			
	930	BORD	8 S	1119.0	1119.3	.4	14.0	2.0		
	930	BORD	46 C	1131.3	1131.8	1.7	11.0	5.0		
	1470	POTS	4 S/F	1131.3	1132.0	2.2	4.0			
	808	ONDR	4 S/F	1132.0		1.5				
	234	POTS	4 S/F	1132.0	1132.4	1.6	580.0	60.0		
	113	POTS	4 S/F	1132.1	1132.5	1.2	110.0	10.0		
	300	POTS	4 S/F	1132.1	1132.6	1.6	1010.0	50.0		
	33	UPIC	45 C	1132.5	1133.2	1.5				
	29	UPIC	45 C	1132.6	1132.9	1.4				
	536	ONDR	40 F	1321.5	1322.5	1.5	5.0			
	30	POTS	4 S/F	1322.2	1322.5	1.5	1100.0	50.0		
	234	POTS	4 S/F	1322.5	1323.1	1.2	275.0	15.0		
	113	POTS	4 S/F	1322.6	1322.9	1.1	28.0	4.0		
	33	UPIC	45 C	1322.7	1323.9	2.5				
	29	UPIC	45 C	1323.1	1324.2	2.1				
19	260	ONDR	44 NS	0639.0E	0841.0	465.00	18.0			
	245	LEAR	43 NS	2233.0	0840.8	689.00	11.0			QL=6 ST=2 TYP=1
	2840	PEKG	1 S	0718.0	0719.0	9.0	3.7	1.2		
	536	ONDR	40 F	1012.0	1012.3	5.5	15.0			
	930	BORD	41 F	1611.0	1611.3	.5	14.0	2.0		
20	930	BORD	8 S	1415.7	1416.2	.6	79.0	2.0		
21	260	ONDR	8 S	0834.3	0834.3	.1	8.0			
	930	BORD	8 S	0937.6	0937.7	.4	24.0	2.0		
	260	ONDR	8 S	1213.0	1213.0	.1	5.0			
22	260	ONDR	8 S	0941.5	0941.5	.5	3.0			
23	930	BORD	8 S	1006.9	1007.0	.3	154.0	2.0		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

11
Sep 85

SEPTEMBER 1985

Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
						Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)		
24	930 BORD	8 S	1008.6	1008.7	.3	103.0	3.0		
	930 BORD	46 C	1510.0	1510.3	.5	44.0	5.0		
25	204 IZMI	5 S	0624.5	0625.0	1.0	330.0	160.0		
	3000 IZMI	7 C	0734.0	0734.8	6.0	8.0	5.0		
	260 ONDR	40 F	0954.5	0954.5	1.0	4.0			
	930 BORD	41 F	1001.3	1001.5	.6	84.0	4.0		
	536 ONDR	8 S	1117.0	1117.0	.1	4.0			
	260 ONDR	8 S	1117.3	1117.5	.2	1.0			
	930 BORD	46 C	1432.8	1433.2	.6	216.0	6.0		
	245 SGMR	47 GB	1544.8	1549.6	5.3	139.0			QL=1 ST=2 TYP=5
26	930 BORD	41 F	1622.0	1622.5	.6	103.0	2.0		
	930 BORD	8 S	0950.8	0951.0	.4	105.0	4.0		
	260 ONDR	40 F	1133.8	1145.5	11.7	3.0			
	536 ONDR	40 F	1139.0	1143.5	7.0	3.0			
	930 BORD	46 C	1505.5	1505.7	.4	53.0	4.0		
27	930 BORD	41 F	1617.8	1618.1	.6	26.0	3.0		
	930 BORD	40 F	0930.0	0937.3	16.0	6.0	3.0		
	930 BORD	8 S	1004.6	1004.7	.3	25.0	3.0		
	930 BORD	8 S	1041.6	1041.8	.4	14.0	2.0		
	536 ONDR	40 F	1042.0	1042.6	5.5	22.0			
	260 ONDR	46 C	1046.2	1046.2	1.5	13.0			
	808 ONDR	46 C	1046.5	1046.6	1.0				
	930 BORD	46 C	1106.1	1106.5	.5	250.0	3.0		
	930 BORD	8 S	1223.5	1223.7	.4	11.0	2.0		
	930 BORD	46 C	1406.0	1406.2	.6	730.0	6.0		
	930 BORD	8 S	1504.0	1504.2	.4	11.0	2.0		
28	930 BORD	41 F	1603.2	1603.6	.4	70.0	3.0		
	260 ONDR	8 S	0931.6	0931.6	.1	6.0			
29	260 ONDR	8 S	1101.5	1101.5	.1	3.0			
	260 ONDR	46 C	1038.9	1038.9	2.5	8.0			
30	33 UPIC	2 S/F	1246.5	1247.0	.6				
	29 UPIC	1 S	1247.0	1247.2	.4				

Reports are received routinely from the following observatories:

ATHN = Athens	HUAN = Huancayo	NAGO = Nagoya	POTS = Potsdam
BERN = Berne	IRKU = Irkutsk	NOBE = Nobeyama	SAOP = Sao Paulo
BORD = Bordeaux	IZMI = IZMIRAN	ONDR = Ondrejov	SGMR = Sagamore Hill
CRIM = Crimea	KISV = Kislovodsk	OTTA = Ottawa	TORN = Torun
DWIN = Dwingeloo	KRAK = Krakow	PALE = Palohua	TYKW = Toyokawa
GORK = Gorky	LEAR = Learmonth	PEKG = Peking	TRST = Trieste
HIRA = Hiraiso	MANI = Manila	PENT = Penticton	UPIC = Upipe

Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	0 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm In Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precursor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major
1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F	
3A Simple 2A	240 Rise only	16A Fall A	27AF Rise and Fall AF	
21A Simple 3A GRF	240F Rise only F	260 Fall Only	31A Post Burst Decrease A	
2A Simple 1AF	24P Post Rise	26F Fall F	32A Absorption A	
			46F Complex F	

GOES 6 X-RAYS

SEPTEMBER 1985

01

02

03

Logarithmic Scale

W/m^2

1-8A

0000 UT 0400 0800 1200 1600 2000 0000 0400 0800 1200 1600 2000 2400

04

05

06

Logarithmic Scale

W/m^2

1-8A

0000 UT 0400 0800 1200 1600 2000 0000 0400 0800 1200 1600 2000 2400

GOES 6 X-RAYS

SEPTEMBER 1985

07

-3

08

-4

09

-5

-6

-7

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

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0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

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1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

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1600

2000

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0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

1600

2000

2400

1.8A

0000 UT 0400

0800

1200

1600

2000

0000

0400

0800

1200

14
Sep 85

GOES 6 X-RAYS

SEPTEMBER 1985

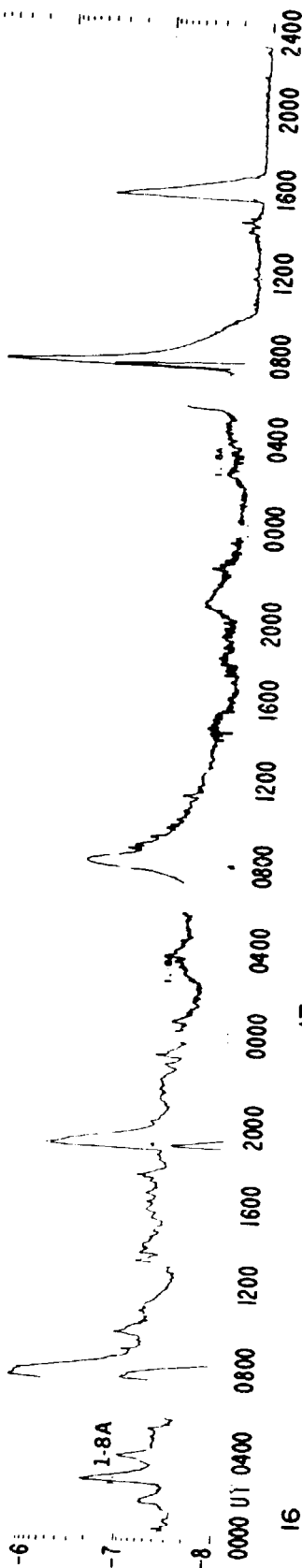
14

15

13

Logarithmic Scale

W/m^2

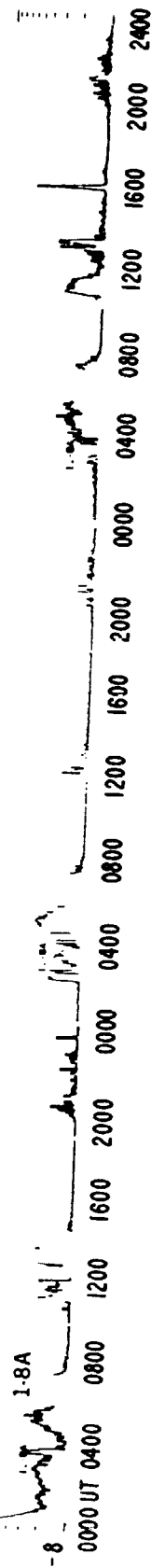


17

Logarithmic Scale

W/m^2

1.8A



18

GOES 6 X-RAYS

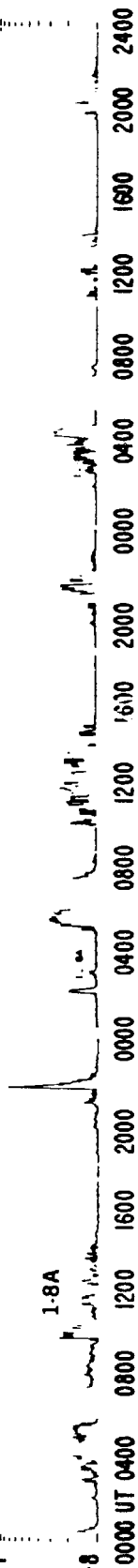
SEPTEMBER 1985

19

Logarithmic Scale
W/m²

20

21

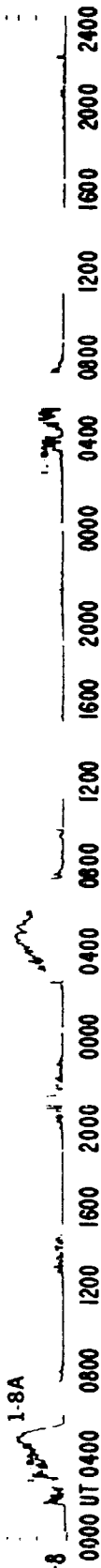


22

Logarithmic Scale
W/m²

23

24



15
Sep 85

GOES 6 X-RAYS

SEPTEMBER 1985

26

27

25

Logarithmic Scale
 W/m^2



29

30

28

Logarithmic Scale
 W/m^2



GOES SOLAR X-RAY FLARES
Preliminary Listing

17
Sep 85

SEPTEMBER 1985

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
12	1118	E	1129	S09	E90		SF	B6.1
12	1414	1430	1441					B6.2
12	1735	1738	1740					C1.2
12	1821	1833	1839					B5.7
12	2318	2348	2355					B1.2
13	0226	0236	0248					B2.6
13	0735	0736	0745	S14	E81	4694	SF	C1.7
13	0943	0947	0952					B1.3
13	1838	1855	1912					B7.8
14	0742	0803	0819					B3.3
15	0733	0736	0757	S11	E53	4694	1B	C4.3
15	1549	1550	1616	S09	E51	4694	SF	B3.6
15	2318	2339	0005					B1.1

MASS EJECTIONS FROM THE SUN

SEPTEMBER 1985

Sta	Day	Observed Start	UT Max	End	Location RA*	R/R ₀	Freq or Wavelength	Kind of Event
KHAR	Sep 02	0959	E 0959	U 1010	D 018	1.00	H-alpha	S
KAHR	Sep 09	0709	E	0713	D 044	1.00	H-alpha	S

QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time
E = event began before the tabulated time
U = uncertain time

REPORTING STATIONS

KHAR = Kharkov

TYPE OF EVENT

A = eruptive active region prominence
CB = coronal cloud bubble
D = coronal depletions
E = coronal enhancement
EL = coronal expanding loop
II = Type II radio burst
IVm = moving Type IV radio burst
Q = eruptive quiescent prominence
R = coronal ray or streamer
S = flare-surge if there is a known flare association
SP = flare-spray if there is a known flare association
* = movement may be caused by ionospheric refraction

18
Sep 85

ACTIVE PROMINENCES AND FILAMENTS

SEPTEMBER 1985

Type	Day	Observed UT		Lat	Cmd	Imp	Type	Sta	Remarks
Start	End								
ADF	Sep 01	0500	1110	N02	W38		V	ATHN	
APR	Sep 01	0500	1110	N14	E90		V	ATHN	
APR	Sep 01	0500	1110	N18	E90		V	ATHN	
BSL	Sep 01	0740	0805	N85	W90	1-	C	CATA	
BSL	Sep 01	1045	1045D	N76	W90	1-	C	CATA	
BSL	Sep 01	1045	1045D	S41	W90	1-	C	CATA	
BSL	Sep 02	0720	0730	N83	E90	1-	C	CATA	
BSL	Sep 02	0755	0800	N75	E90	1-	C	CATA	
BSL	Sep 02	1000	1010D	N67	E90	1-	C	CATA	
AFS	Sep 03	0635	1330	N32	W16		V	ATHN	
BSL	Sep 03	0800	0810	S87	W90	1-	C	CATA	
BSL	Sep 03	1010E	1015D	S82	E90	1-	C	CATA	
SDF	Sep 03	1145E	0635D	N31	E35	1	C	CATA	
BSL	Sep 04	0755	0805	S39	W90	1-	C	CATA	
BSL	Sep 04	0920	0925	N08	W90	1-	C	CATA	
BSL	Sep 04	0925	0930	N53	E90	1-	C	CATA	
BSL	Sep 04	1015E	1020D	N43	E90	1-	C	CATA	
BSL	Sep 04	1015E	1020D	N68	E90	1-	C	CATA	
BSL	Sep 04	1015E	1020D	S75	E90	1-	C	CATA	
BSL	Sep 04	1015E	1020D	S18	E90	1-	C	CATA	
BSL	Sep 04	1020	1020D	S33	W90	1-	C	CATA	
BSL	Sep 04	1125	1130	N78	E90	1-	C	CATA	
BSL	Sep 05	0835E	0910	S16	E90	1	C	CATA	
BSL	Sep 05	1105	1115	S12	W90	1-	C	CATA	
BSL	Sep 05	1140	1145D	S71	W90	1-	C	CATA	
APR	Sep 06	0544	1330	N15	W90		V	ATHN	
EPL	Sep 06	0645E	0800	N15	W90	1	C	CATA	
APR	Sep 06	0711	1330	S15	E90		V	ATHN	
BSL	Sep 06	0815	0825	S62	E90	1-	C	CATA	
BSL	Sep 06	1040	1050D	N03	E90	1-	C	CATA	
SDF	Sep 06	1145E	0630D	S01	E07	1	C	CATA	
SDF	Sep 06	1145E	0630D	S20	E07	1	C	CATA	
ADF	Sep 06	2256	0126	S03	W05	2	C	CULG	Portion disappears.
APR	Sep 07	0730	1330	N08	W90		V	ATHN	
ASR	Sep 07	0801	1330	N42	W90		V	ATHN	
BSL	Sep 07	0840	0845	N11	W90	1-	C	CATA	
BSL	Sep 07	0845	0915	N04	W90	1-	C	CATA	
BSL	Sep 07	1125	1140	S62	W90	1-	C	CATA	
ADF	Sep 07	2058E	0706D	N21	E02	1	C	CULG	Segment of 35 degrees faint filament.
BSL	Sep 08	1035E	1035D	N07	W90	1-	C	CATA	
ADF	Sep 09	0600	1300	N21	W17		V	ATHN	
APR	Sep 09	0745	1300	S13	W90		V	ATHN	
BSL	Sep 09	0915E	0915D	N43	W90	1-	C	CATA	
ADF	Sep 10	0730	1300	S23	E26		V	ATHN	
BSL	Sep 11	1010E	1030	S64	E90	1-	C	CATA	
ADF	Sep 11	1153	1243	S22	E13		V	ATHN	
APR	Sep 11	1205	1243	S29	E90		V	ATHN	
ASR	Sep 12	0630	0736	S12	E90		V	ATHN	
BSL	Sep 12	0705	0715	S64	W90	1-	C	CATA	
BSL	Sep 12	0930E	0930D	N81	W90	1-	C	CATA	
BSL	Sep 12	0945E	0950	N81	W90	1-	C	CATA	
BSL	Sep 12	0950	1005	S11	E90	1-	C	CATA	
BSL	Sep 12	1015	1020	S11	E90	1-	C	CATA	
BSL	Sep 12	1125	1145D	S13	E90	1	C	CATA	

ACTIVE PROMINENCES AND FILAMENTS

19
Sep 85

SEPTEMBER 1985

Type	Day	Observed Start End	UT	Lat	CMD	Imp	Type	Sta	Remarks
ASR	Sep 13	0615	0628	S15	E90		V	ATHN	
BSL	Sep 13	0730E	0755	S12	E90	1-	C	CATA	
ASR	Sep 13	0740	1330	S15	E90		V	ATHN	
BSL	Sep 13	0830	0835	S67	E90	1-	C	CATA	
BSL	Sep 13	0950	1015	N89	W90	1-	C	CATA	
BSL	Sep 13	1010	1020	N65	W90	1-	C	CATA	
BSL	Sep 13	1015	1030	S77	E90	1-	C	CATA	
BSL	Sep 14	0655	0700	N70	W90	1-	C	CATA	
APR	Sep 14	0740	1345	N25	W90		V	ATHN	
APR	Sep 14	0740	1345	S43	W90		V	ATHN	
BSL	Sep 14	0835	0845	S34	E90	1-	C	CATA	
BSL	Sep 14	0930	0930D	N54	W90	1-	C	CATA	
BSL	Sep 14	1015	1025	S35	E90	1-	C	CATA	
BSL	Sep 14	1020	1025	S64	E90	1-	C	CATA	
BSL	Sep 14	1100	1105D	N85	E90	1-	C	CATA	
APR	Sep 15	0520	1340	N22	W90		V	ATHN	
APR	Sep 15	0500	1430	N27	W90		V	ATHN	
APR	Sep 15	0715	1430	N20	E90		V	ATHN	
DSO	Sep 15	0740	0820	S11	E54		V	ATHN	
BSL	Sep 15	0925	0935	N20	E90	1-	C	CATA	
ASR	Sep 15	1310	1318	S06	E90		V	ATHN	
EPL	Sep 15	1340	1430	N22	W90		V	ATHN	
ADF	Sep 15	2200E	0019	S29	W50	2	C	CULG	
ADF	Sep 16	0610	1400	S10	E40		V	ATHN	
ADF	Sep 16	2200E	0019	S29	W50	2	C	CULG	
APR	Sep 18	0740	1400	N04	E90		V	ATHN	
DSO	Sep 18	0740	1400	S11	E02		V	ATHN	
APR	Sep 18	0740	1400	N19	W90		V	ATHN	
APR	Sep 18	1000	1400	S25	E90		V	ATHN	
DSO	Sep 19	0545	1345	S11	W08		V	ATHN	
APR	Sep 19	0600	1345	N30	E90		V	ATHN	
APR	Sep 19	0600	1345	S21	W90		V	ATHN	
APR	Sep 19	0600	1345	S04	E90		V	ATHN	
BSL	Sep 20	1015	1030	S11	E90	1-	C	CATA	
APR	Sep 21	0720	1330	S28	E90		V	ATHN	
BSL	Sep 21	1100E	1100D	N31	E90	1-	C	CATA	
BSL	Sep 22	0815	0820	N72	W90	1-	C	CATA	
BSL	Sep 22	0815	0820D	S03	E90	1-	C	CATA	
BSL	Sep 22	0820	0820D	N87	W90	1-	C	CATA	
ADF	Sep 23	0715	1300	N10	E25		V	ATHN	
BSL	Sep 23	0815E	0320	S02	W90	1-	C	CATA	
BSL	Sep 23	0955	1005D	83N	W90	1-	C	CATA	
ADF	Sep 24	0151E	2400D*	S23	E48	1	C	CULG	32 degrees maximum extent.
APR	Sep 24	0722	1330	S29	W90		V	ATHN	
BSL	Sep 25	0710	0715	S55	E90	1-	C	CATA	
BSL	Sep 25	0900	0905	N59	E90	1-	C	CATA	
BSL	Sep 25	1015	1020	N77	E90	1-	C	CATA	
BSL	Sep 25	1015	1020	N79	E90	1-	C	CATA	
BSL	Sep 26	0735	0740	N66	W90	1-	C	CATA	
DSO	Sep 26	1005E	1120	N01	W24	1-	C	CATA	
BSL	Sep 26	1015	1025	N12	W90	1-	C	CATA	
BSL	Sep 26	1025	1030	N77	W90	1-	C	CATA	
BSL	Sep 26	1105	1110	N87	W90	1-	C	CATA	
BSL	Sep 26	1105	1110	N50	W90	1-	C	CATA	
BSL	Sep 26	1115	1120	N60	E90	1-	C	CATA	

*End time refers to September 30.

20
Sep 85

ACTIVE PROMINENCES AND FILAMENTS

SEPTEMBER 1985

Type	Day	Observed UT		Lat	Long	Inc	Type	Sta	Remarks
		Start	End						
BSL	Sep 27	0840	0845D	S51	E90	1-	C	CATA	
BSL	Sep 27	0855E	0910	S52	E90	1-	C	CATA	
BSL	Sep 28	0715	0725D	N73	W90	1	C	CATA	
BSL	Sep 28	0720	0725D	N54	W90	1-	C	CATA	
BSL	Sep 28	0955E	1000D	S41	E90	1-	C	CATA	
BSL	Sep 28	0955E	1000D	S53	E90	1-	C	CATA	
BSL	Sep 29	0720E	0755	S38	E90	1-	C	CATA	
BSL	Sep 29	0910	0935	S42	E90	1-	C	CATA	
BSL	Sep 29	1005	1020	N23	W90	1-	C	CATA	
BSL	Sep 29	1020	1035	S65	E90	1-	C	CATA	
SDF	Sep 29	1235E	0700D	S19	E11	1	C	CATA	
ADF	Sep 29	2022E	2400D*	N09	E60	1	C	CULG	35 degrees faint filament.
APR	Sep 30	0645	1430	N03	W90		V	ATHN	
APR	Sep 30	0645	1430	S30	W90		V	ATHN	
ADF	Sep 30	0645	1430	S34	W30		V	ATHN	
ADF	Sep 30	0645	1430	N19	W65		V	ATHN	
BSL	Sep 30	0905E	0915	S50	W90	1-	C	CATA	
BSL	Sep 30	1035E	1045	S78	E90	1-	C	CATA	
BSL	Sep 30	1035E	1045	N56	W90	1-	C	CATA	
APR	Sep 30	1350	1430	N38	E90		V	ATHN	

*End time refers to September 30.

BSL = Bright sun at limb.

ADF = Active dark filament.

AFS = Active filament system.

APR = Active prominence region at limb.

ASR = Active surge region.

DSD = Dark surge on disk.

EPL = Eruptive prominence at limb.

SDF = Sudden disappearance of filament.

ATHN = Athens

CATA = Catania

KODA = Kodaikanal

WEND = Wendelstein

BUCA = Bucharest

CULG = Culgoora

MANI = Manila

For more detail and information about Remarks, see SGD Supplement.

C O N T E N T S

Comprehensive Reports

MISCELLANEOUS DATA

Number 499 Part II

Page

MEUDON CARTE SYNOPTIQUE 7 July - 26 September 1985

Active Regions and Filaments 22

Synoptic Solar Map 23-25

SOLAR IRRADIANCE

NIMBUS Cosine-Corrected Data 1978 - 1984 26-32

CARTE SYNOPTIQUE

ACTIVE REGIONS CARRINGTON ROTATION 1764

(7 JULY to 3 AUGUST 1985)

Region No.	Coordinates Lat. Long.	Age at CMP Imp (Days)	Spotless Region	Region No. in Rotation 1763	Activity at West Limb
1	2°N 332	3 0			decreasing
2	5°S 332	1 >6	x		dispersed
3	3°S 316	1 >6	x		dispersed
4	42°N 284	1 +4	x		disappeared
5	5°N 205	1 +6	x		disappeared
6	14°S 161	2 >6			decreasing
7	7°S 135	1 -5	x		stable
8	7°S 135	1 >6	x		dispersed
9	3°N 119	1 0	x		disappeared
10	15°S 100	1 >6	x		dispersed
11	7°N 61	1 0	x		disappeared
12	8°S 34	1 >6	x		decreasing
13	15°S 25	1 >6	x		dispersed
14	7°N 15	2 +4			decreasing
15	7°N 15	4 >6			decreasing
16	9°S 15	1 >6	x		decreasing
17	10°N 6	1 >6	x		dispersed
18	4°S 1	3 >6			decreasing
19	20°S 1	>6	x		decreasing

CARRINGTON ROTATION 1765

(3 AUGUST to 30 AUGUST 1985)

Region No.	Coordinates Lat. Long.	Age at CMP Imp (Days)	Spotless Region	Region No. in Rotation 1764	Activity at West Limb
1	0 231	2 +4			disappeared
2	10°N 221	1 >6	x		dispersed
3	19°S 186	2 -1			stable
4	12°S 177	1 -1	x		dispersed
5	9°S 42	1 >6	x		dispersed
6	7°N 23	1 >6	x		decreasing
7	18°S 4	1 >6	x		stable

CARRINGTON ROTATION 1766

(30 AUGUST to 26 SEPTEMBER 1985)

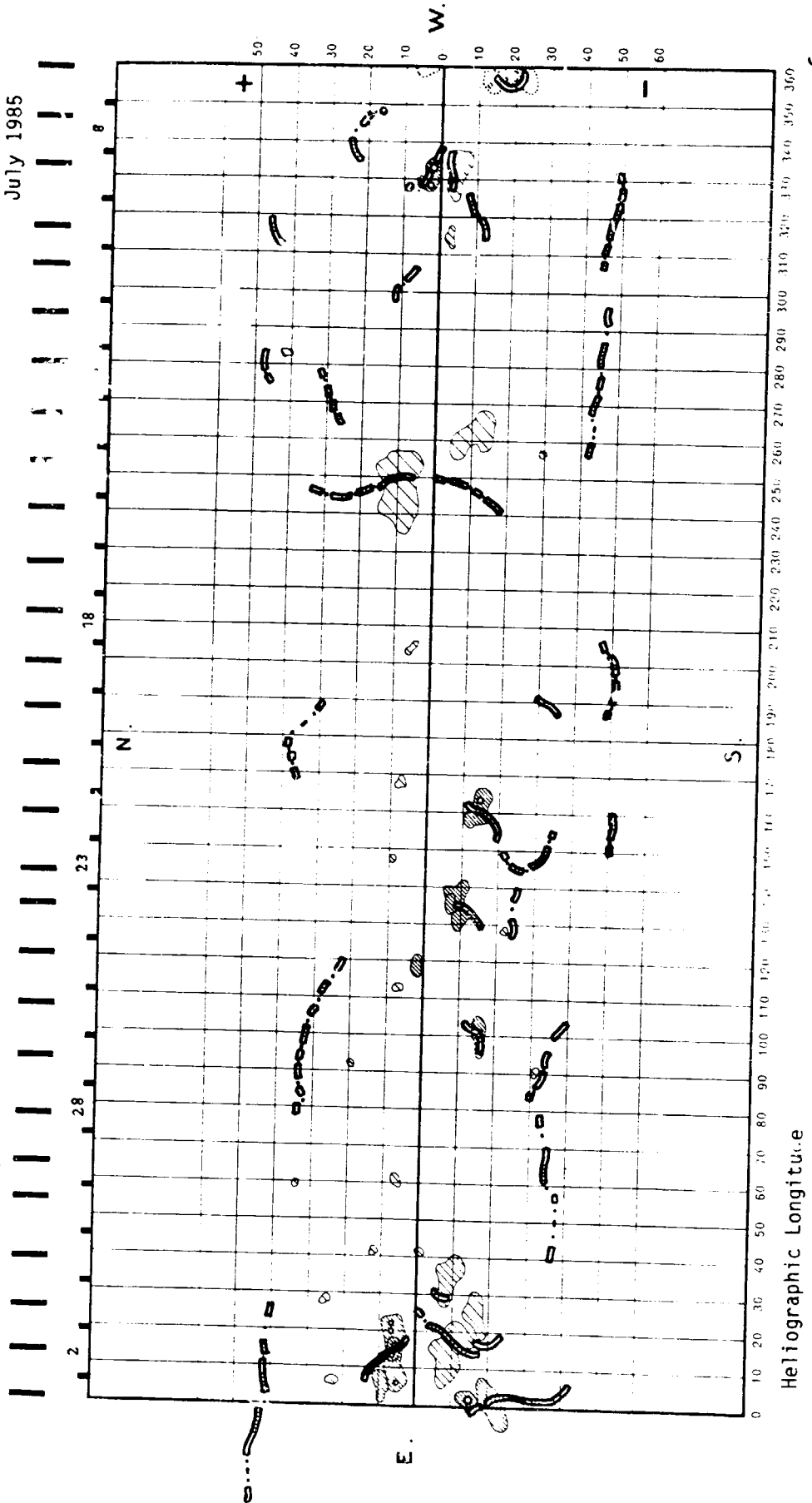
Region No.	Coordinates Lat. Long.	Age at CMP Imp (Days)	Spotless Region	Region No. in Rotation 1765	Activity at West Limb
1	25°S 353	1 >6	x		dispersed
2	5°N 350	1 +4	x		disappeared
3	1°N 288	1 +5	x		decreasing
4	18°S 181	1 >6	x		decreasing
5	10°S 107	2 >6			decreasing
6	10°S 97	1 >6	x		dispersed
7	20°S 3	1 >6	x		dispersed

CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1764
(July 7 to August 3, 1985)

Meudon Observatory

July 1985



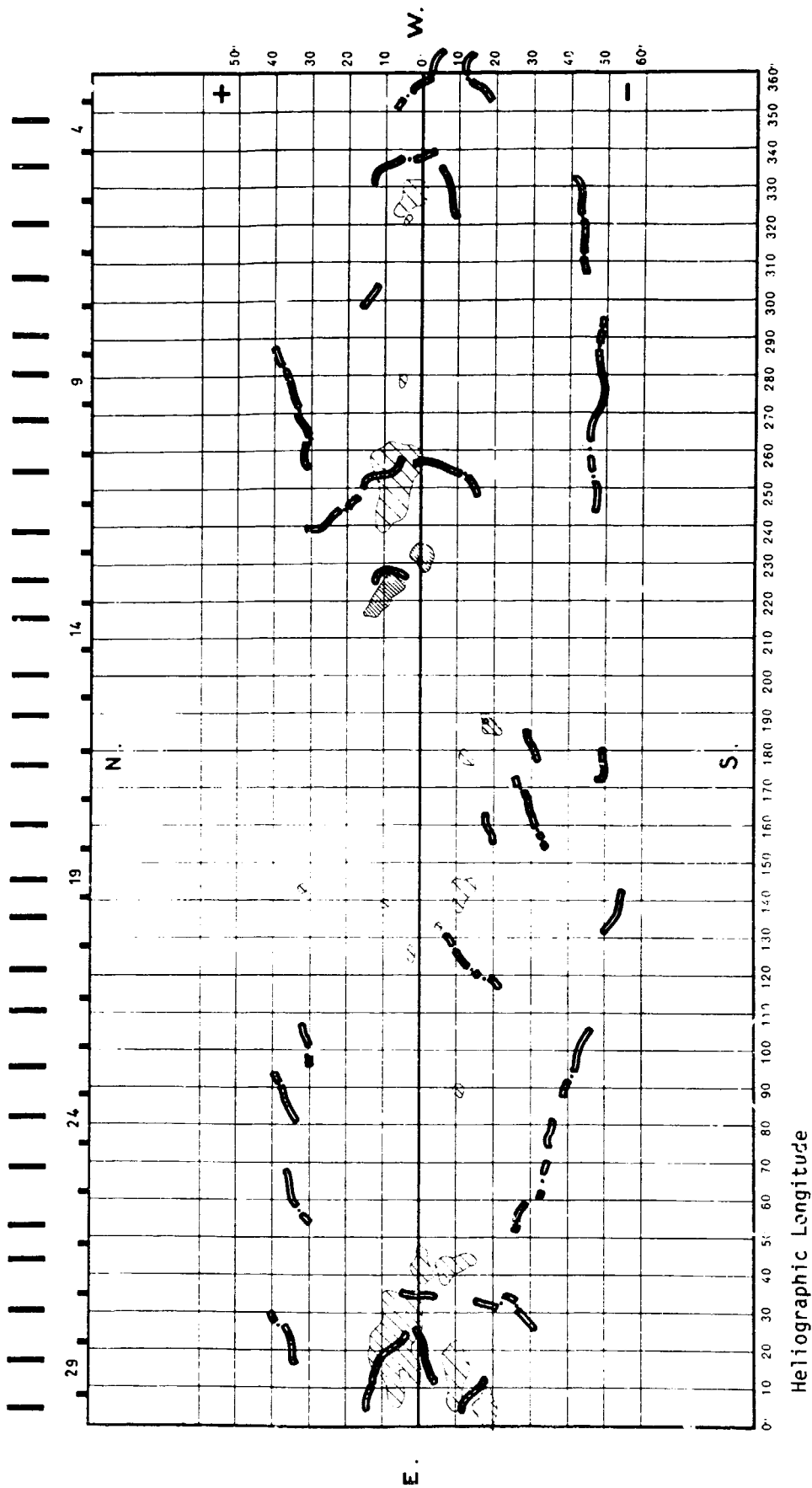
24
Misc
Aug 85

CARTESYNOPTIQUE

CARRINGTON ROTATION NUMBER 1765
(August 3 to August 30, 1985)

Meudon Observatory

August 1985

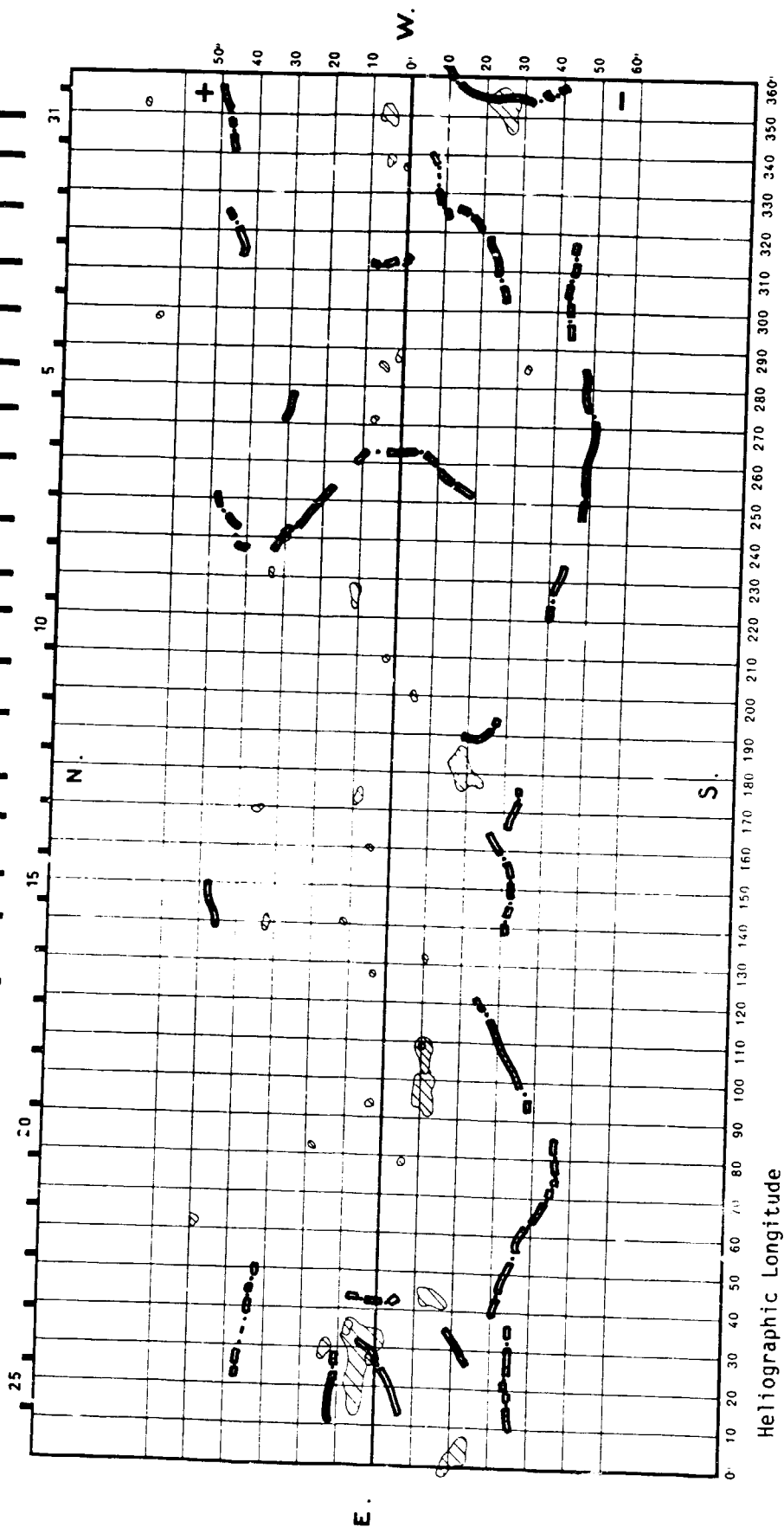


CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1766
(August 30 to September 26, 1985)

Meudon Observatory

August 1985



26
Misc
1978

1978 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01												---
02												1371.4
03												1371.2
04												1371.5
05												---
06												1371.8
07												1371.4
08												1371.6
09												---
10												1369.8
11												1369.7
12												1369.9
13												---
14												1370.2
15												1371.0
16											1370.7	1371.6
17											1371.5	1371.6
18											1371.4	1371.2
19											---	1370.9
20											1371.2	1371.3
21											1371.1	---
22											1371.1	1371.0
23											1371.3	1371.5
24											1371.1	1371.9
25											1371.4	---
26											1371.7	1371.9
27											---	1371.6
28											1371.3	1372.0
29											1371.3	---
30											1371.6	1370.9
31												1370.7

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1979 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1370.7	---	1372.3	1371.6	1370.8	1371.4	---	1371.5	1370.4	---	1371.2	1371.4
02	---	1372.0	1372.5	---	---	1371.1	1371.4	---	1369.8	1371.3	---	1371.2
03	1370.6	---	---	1371.4	1371.6	---	1371.0	1372.4	---	1371.1	1370.9	1371.2
04	1371.7	1371.6	1372.2	---	1371.5	1370.6	1371.3	1371.6	1368.9	1371.4	1370.6	---
05	1372.1	---	1372.5	1371.6	1372.0	1370.4	---	1372.0	1368.5	---	1371.0	1371.4
06	---	1371.9	1372.6	---	---	1370.6	1371.6	---	1368.6	1370.6	---	---
07	1371.8	---	---	1372.3	1372.0	---	1371.2	1371.8	1370.7	1370.1	1369.8	1372.1
08	1371.6	1372.1	1371.9	---	1371.8	1370.9	1371.7	1371.5	1370.7	1370.3	1368.9	---
09	1371.7	1372.3	1372.0	1371.9	1371.9	1370.9	1371.8	1371.7	1371.6	---	1369.2	1372.2
10	---	1372.1	1372.4	1371.7	---	1370.4	1371.8	1371.4	1371.6	1370.7	---	1372.2
11	1371.5	---	---	1371.8	1371.4	---	1371.6	1371.0	---	1370.4	1369.6	1371.6
12	1371.6	1371.8	1372.5	---	---	1370.7	1371.8	1370.7	1371.4	1370.6	1369.5	---
13	1371.8	1372.4	1373.0	1371.4	1371.4	1370.5	---	1370.8	1371.0	---	1370.0	1372.0
14	---	1372.4	1372.9	1371.3	1371.4	1370.6	1371.9	---	1371.1	1371.8	---	1371.5
15	1371.3	---	---	1371.5	1371.7	---	1371.4	1370.3	---	1371.5	1370.9	1371.7
16	1371.6	1371.5	1372.3	1371.3	---	1371.1	1371.6	1369.6	1371.7	1371.4	1371.0	---
17	---	1371.0	1372.3	1371.5	1372.1	1370.8	---	1369.6	1371.3	---	1371.3	1371.8
18	---	1370.5	1372.4	1371.6	---	1371.3	1371.4	---	1371.6	1370.7	---	---
19	1371.6	---	---	1371.9	1372.3	---	1371.3	1368.9	---	1370.7	1371.2	1371.2
20	1371.2	1370.4	1371.9	---	1372.1	1371.3	1371.3	1368.7	1371.0	1370.9	1370.9	---
21	1370.9	1371.0	1371.9	1371.8	1372.2	1371.3	---	1368.7	1370.5	---	1371.1	1370.6
22	---	1371.6	1372.1	1371.8	---	1371.6	1371.3	1368.2	1370.9	1371.5	---	1370.5
23	1370.5	---	---	1371.7	1372.2	---	1371.2	1368.7	---	1371.2	1370.9	1370.8
24	---	1371.9	1371.8	---	1372.0	1371.6	1371.6	1369.6	1371.2	1372.0	1370.5	---
25	1371.2	---	1371.9	1371.5	1372.3	1371.5	1371.6	1369.2	1370.9	---	1371.0	1371.5
26	---	1372.0	1372.1	1371.2	---	1371.9	1371.4	---	1371.2	1371.5	---	1371.6
27	1371.3	---	---	1371.2	1371.7	1372.1	1371.4	1369.1	---	1370.9	1371.5	1371.3
28	---	1371.9	1372.1	1371.1	1371.6	1371.8	1371.7	1369.2	1370.3	1371.2	1371.4	---
29	1372.3	---	1372.2	1371.2	1372.0	1371.7	---	1371.4	1369.6	---	1371.4	1371.3
30	---	---	1372.2	---	1371.9	1371.9	1371.4	---	1370.6	1371.2	---	1371.1
31	1372.8	---	---	---	---	---	1371.4	1371.1	---	1370.7	---	1371.6

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1980 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	1371.1	---	1371.4	1370.9	---	1371.4	1371.3	---	1371.4	1370.6	1370.7
02	1372.1	---	1371.7	---	1370.4	1371.0	1371.6	1371.3	1369.6	1371.5	1370.2	---
03	1371.7	1370.3	1371.6	1371.5	1370.5	1370.8	---	1371.6	1369.4	1372.2	1369.9	1371.3
04	1372.0	1370.3	1371.8	---	---	1371.0	1370.7	---	1369.7	1371.4	---	1371.0
05	---	1370.7	---	1370.4	1371.0	---	1370.7	1371.2	---	1371.2	1369.4	1371.4
06	1372.2	---	1371.6	---	1371.0	1371.1	1370.8	1371.0	1370.5	1371.6	1369.1	---
07	1371.8	1370.7	1371.6	1369.3	1371.3	1371.0	1370.8	1370.9	1370.7	---	1369.1	1372.1
08	1371.9	1370.5	1371.4	1368.7	---	1371.5	1370.8	---	1371.7	1371.4	---	1372.0
09	---	1370.8	---	1369.2	1371.6	1371.9	1370.6	1371.0	---	1370.7	1369.1	1372.1
10	1371.8	---	1371.6	---	1371.4	1371.4	1370.7	1370.9	1371.8	1370.4	1369.0	---
11	1371.4	1371.0	1371.5	1369.5	1371.2	1371.3	---	1371.0	1371.6	---	1369.2	1371.8
12	1371.9	1371.0	1371.6	1369.6	---	1371.7	1370.6	---	1371.4	1369.9	---	1370.8
13	---	1371.3	1371.7	1370.1	1371.1	---	1370.2	1371.1	---	1369.8	1369.8	1370.7
14	1372.6	---	1371.5	---	1370.9	1371.6	1370.3	1371.3	1371.0	1370.8	1370.1	---
15	1371.4	1371.3	1371.4	1370.8	1371.5	1371.4	---	1371.9	1371.0	---	1370.6	1370.3
16	1371.5	1370.9	1371.7	1370.9	---	1371.3	1370.7	---	1371.4	1371.9	---	1370.1
17	---	1371.2	---	1371.5	1371.4	---	1370.4	1371.4	---	1371.6	1371.1	1370.6
18	1371.4	---	1371.7	---	1371.4	1371.7	1370.5	1371.3	1371.6	1371.6	1370.7	---
19	1371.4	1371.7	1371.5	1371.7	1371.5	1371.6	---	1371.4	1371.2	---	1370.7	1371.1
20	1371.5	1371.5	1371.6	1371.4	---	1371.9	1370.4	---	1371.1	1370.7	---	1371.2
21	---	1371.4	---	1371.3	1371.1	---	1370.6	1371.2	---	1370.2	1370.8	1371.9
22	1371.5	---	1371.5	---	1370.6	1371.2	1370.7	1371.0	1370.9	1370.2	1370.9	---
23	1371.0	1370.9	1371.4	1370.8	1370.3	---	---	1371.0	1370.7	---	1371.1	1371.9
24	1371.1	1370.8	1371.7	1370.6	---	---	1371.3	---	1371.0	1370.9	---	1371.5
25	---	1371.1	---	1370.9	1369.8	---	1371.4	1371.2	---	1371.1	1371.5	1371.8
26	1371.6	---	1371.9	---	1369.5	1371.4	1371.4	1370.8	1371.4	1371.5	1371.2	---
27	1371.6	1371.6	1371.6	1371.3	1370.0	1371.5	---	1370.8	1371.2	---	1371.5	1371.9
28	1371.9	1371.7	1371.6	1371.1	1370.0	1371.7	1371.0	---	1371.3	1371.2	---	1371.5
29	---	1371.7	---	1371.4	1370.6	---	1370.8	1370.4	---	---	1371.0	1371.7
30	1371.8	---	1371.2	---	1370.6	1371.2	1370.7	1369.7	1371.6	---	1370.5	---
31	1371.5	---	1371.0	---	---	---	---	1369.4	---	---	---	1372.6

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1981 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1372.9	1371.0	1369.9	---	1371.2	1370.9	1370.3	1370.7	1371.2	1371.5	1370.5	---
02	1373.4	1370.4	1370.0	1371.8	1371.3	1371.0	1370.5	1370.9	1371.1	---	1370.2	1371.3
03	---	1370.4	1370.4	1371.4	---	1371.1	1370.6	---	1371.2	1371.6	---	1371.4
04	1372.5	---	---	1371.4	1371.0	1371.5	1370.8	1370.7	---	1371.1	1370.1	1371.8
05	1371.2	1371.1	1371.1	1371.7	1370.9	1371.4	1370.6	1370.5	1370.8	1371.0	1370.3	---
06	1371.2	1370.9	1370.5	1370.9	1370.6	1371.1	---	1370.5	1370.2	---	1370.8	1371.2
07	---	1370.9	1370.8	1370.5	---	1371.4	1370.6	---	1370.2	1371.1	---	1370.2
08	1371.0	---	---	1370.6	1370.8	---	1370.7	1369.7	---	1371.1	1371.1	1369.7
09	1371.1	1370.8	1370.6	---	1371.1	1371.5	1370.9	1369.6	1371.0	1371.3	1370.9	---
10	1371.3	1370.4	1370.5	1370.5	1370.9	1371.4	---	1369.9	1370.7	---	1370.8	1369.8
11	1371.9	1370.7	1371.0	1370.2	---	1371.4	1370.5	1370.3	1370.5	1370.3	---	1370.0
12	1371.8	---	---	1370.5	1370.7	---	1370.4	1370.7	---	1369.7	1370.4	1370.1
13	1371.2	1371.3	1371.1	---	1370.4	1370.7	1370.4	1370.9	1370.9	1369.2	1370.3	---
14	1371.6	1370.6	1371.1	1370.1	1370.6	1370.7	---	1371.9	1370.7	---	1370.7	1370.8
15	---	1370.6	1371.4	1370.1	---	1370.6	1370.3	---	1371.1	1369.2	---	1370.8
16	1371.6	---	---	1370.1	1370.2	1370.6	1370.4	1371.0	---	1368.7	1371.2	1370.8
17	1371.3	1370.4	1371.6	---	1370.3	1370.7	1370.4	1370.7	1371.4	1368.7	1370.9	---
18	1371.6	1370.1	1371.3	1370.2	1370.4	1370.9	---	1370.6	1371.0	---	1371.0	1370.9
19	---	1370.6	1371.4	1370.4	---	1371.3	1370.5	---	1371.2	1369.6	---	1370.6
20	1372.0	---	---	1370.8	1371.0	---	1369.9	1370.8	---	1369.6	1370.9	1370.9
21	1371.6	1370.9	1370.6	1370.8	1371.6	1371.2	1369.3	1370.8	1371.3	1370.3	1370.6	---
22	1371.7	1370.2	1370.4	1370.7	1371.7	1371.0	---	1371.1	1371.8	1370.6	1370.9	1371.2
23	---	1370.3	1370.8	1370.4	---	1371.0	1368.3	---	1371.9	1371.3	---	1370.9
24	1371.6	---	---	1371.1	1371.2	---	1367.9	1371.7	1372.4	1371.3	1371.1	1371.4
25	1371.4	1370.2	1371.1	---	1371.2	1370.5	1367.8	1371.5	1371.7	1371.2	1371.1	---
26	1371.5	1370.1	1370.8	1371.1	1371.1	1370.6	---	1371.1	1371.4	---	1371.3	1371.0
27	---	1370.0	1371.1	1371.0	---	1370.3	1368.1	1370.7	1371.4	1371.4	---	1370.5
28	1371.6	---	---	1371.0	1371.0	---	1368.4	1370.9	---	1371.6	1370.3	1370.9
29	1371.5	---	1371.3	---	1370.9	1370.4	1369.0	1370.7	1371.5	1371.8	1370.1	---
30	---	---	1371.1	1371.1	1371.2	1370.3	1369.6	1370.9	1371.3	---	1370.4	1371.6
31	---	---	1371.6	---	---	---	1369.8	---	---	1371.0	---	---

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1982 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppler Laboratory, Inc.

Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1371.9	1368.6	1369.8	1371.2	1371.1	1371.2	1371.3	1370.5	1371.1	---	1371.8	1370.9
02	---	1369.3	1369.0	1371.3	---	1371.2	1370.9	---	1371.3	1370.9	---	1370.6
03	1371.6	---	---	1371.6	1371.2	1371.6	1370.8	1370.3	---	1371.1	1371.6	1370.3
04	1371.1	1370.7	1370.3	---	1370.9	1370.8	1371.0	1370.9	1371.4	1371.7	1371.2	---
05	1371.5	1370.6	1370.4	1371.1	1371.1	1370.5	---	1370.9	1371.1	---	1371.3	1369.8
06	---	1370.7	1370.7	1371.0	1371.1	1370.2	1370.9	---	1371.5	1371.6	---	1369.9
07	1371.6	---	---	1371.3	1370.7	---	1370.9	1370.7	---	1371.1	1371.0	1370.2
08	1371.1	1369.5	1371.3	1371.5	1370.8	1370.0	1371.1	1371.0	1371.4	1371.3	1370.9	---
09	1371.4	1368.9	1371.0	1371.3	1371.0	1369.6	---	1371.0	1371.3	---	1371.2	1370.2
10	---	1368.9	1371.1	1370.9	---	1369.6	1370.5	---	1371.4	1371.0	---	1369.7
11	1371.3	---	---	1370.4	1371.0	---	1369.7	1371.1	---	1370.8	1370.6	1369.8
12	1371.0	1369.6	1371.4	---	1371.1	1369.8	1369.5	---	1370.9	1370.9	1370.1	---
13	1370.7	1369.2	1371.0	1370.5	1371.2	1369.4	---	1371.2	1370.5	---	1369.8	1369.4
14	---	1370.0	1370.6	1370.0	---	1369.4	1368.7	---	1370.6	1370.8	---	1369.4
15	1370.4	---	---	1370.5	1371.0	---	1368.8	1370.8	---	1370.5	1369.7	1370.0
16	1369.9	1370.3	1369.4	---	1370.5	1368.6	1369.0	1370.6	1370.9	1370.8	1369.6	---
17	1370.5	1369.7	1368.8	1370.6	1370.6	1368.6	---	1370.5	1370.6	---	1370.1	1371.0
18	---	1369.8	1368.9	1370.2	---	1368.7	1369.9	---	1370.5	1370.9	---	1371.2
19	1370.8	---	---	1370.5	1370.9	---	1370.7	1370.6	---	1370.7	1370.1	1371.7
20	1370.7	1370.1	1369.9	---	1370.4	1368.7	1371.3	1370.6	1370.4	1370.8	1369.8	---
21	1370.8	1370.3	1370.0	1370.4	1370.2	1369.4	---	1370.5	1370.4	---	1369.5	1371.9
22	---	1370.9	1370.6	1370.2	---	1369.7	1371.3	---	1370.7	1370.7	---	1371.5
23	1370.9	---	---	1370.0	1370.4	---	1371.1	1369.8	---	1370.6	1370.2	1371.9
24	1370.7	1371.4	1370.0	---	1370.5	1370.6	1371.0	1369.4	1371.8	1370.7	1370.2	---
25	1371.1	1371.0	1369.8	1369.8	1371.0	1371.0	---	1369.5	1371.6	---	1370.9	1372.0
26	1371.3	1371.2	1369.9	1369.9	---	1371.5	1370.9	---	1371.5	1370.0	---	1371.3
27	1371.3	---	---	1370.7	1370.8	---	---	1369.3	---	1370.0	1371.3	1371.2
28	1370.3	1370.4	1370.0	---	1370.5	1371.5	1370.5	1369.4	1370.6	1370.9	1371.0	---
29	1369.8	---	1370.1	1371.4	1370.9	1371.2	---	1369.9	1369.9	---	1371.1	---
30	---	---	1370.2	1371.2	---	1371.2	1370.6	---	1370.6	1371.4	---	1371.4
31	1369.1	---	---	---	1371.2	---	1370.3	1371.2	---	---	---	1371.3

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1983 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	---	1370.3	1371.0	1371.1	---	1371.0	1370.1	---	1370.4	1370.1	1370.0	1370.5
02	1371.1	---	---	1371.1	1371.1	---	1370.2	1369.9	---	1370.1	1370.2	1370.5
03	1370.6	1370.8	1370.9	---	1370.8	1370.3	1370.4	1369.7	1370.4	1370.3	1370.1	1370.4
04	1370.9	1370.2	1370.2	1371.1	1371.0	1370.3	---	1369.8	1370.4	1370.5	1370.4	1370.6
05	---	1370.4	1370.5	1370.8	---	1369.9	1370.5	---	1371.0	1370.3	1370.1	1370.4
06	1371.2	---	---	1371.0	1370.7	1369.1	1370.4	1370.2	---	1370.0	1370.2	1370.6
07	1371.0	1370.3	1370.8	---	1370.7	1369.0	1370.3	1370.3	1370.7	1369.9	1370.3	1370.4
08	1371.2	1370.5	1370.6	1370.6	1371.0	1369.3	---	1370.2	1370.4	1369.9	1370.7	1370.6
09	---	1370.9	1371.0	1370.5	---	1369.6	1370.0	---	1370.9	1369.9	1370.5	1370.5
10	1371.4	---	---	1370.5	1370.2	---	1370.2	1369.6	---	1369.7	1370.6	1370.6
11	1371.1	1371.3	1370.7	---	1369.6	1370.0	1370.2	1369.4	1370.8	1370.0	1370.6	1370.6
12	1370.5	1371.0	1370.5	1371.2	1369.6	1370.2	---	1370.4	1370.6	1370.4	1370.7	1370.8
13	---	1371.1	1370.8	1370.7	1369.9	1370.5	1370.5	---	1370.9	1370.7	1370.6	1370.2
14	1371.3	---	---	1371.0	1370.4	---	1370.2	1370.6	1370.7	1370.4	1370.3	1370.6
15	1370.8	1370.6	1370.7	1371.3	1370.6	1371.0	1370.5	1370.7	1370.7	1370.1	1370.3	1370.4
16	1370.8	1370.2	1370.1	1371.0	1371.0	1371.0	---	1370.8	1370.3	1370.1	1370.0	1370.5
17	---	1370.6	1370.4	1370.7	---	1371.0	1370.7	---	1370.5	1370.3	1370.2	1370.2
18	1370.4	---	1371.0	1370.7	1371.1	---	1370.8	1370.9	1370.2	1370.1	1370.2	1370.6
19	1370.2	1370.5	1370.4	---	1371.2	1371.0	1370.8	1370.8	1370.4	1370.3	1370.4	1370.4
20	1370.0	1370.2	1370.1	1371.0	1371.1	1370.9	1371.3	1370.9	1369.9	1370.5	1370.5	1370.7
21	---	1370.7	1370.5	1370.6	---	1371.1	1370.8	---	1370.5	1371.1	1370.4	1370.6
22	1370.6	---	---	1370.9	1371.0	1371.2	1370.5	1370.5	1370.7	1370.9	1370.3	1370.4
23	1370.5	1370.9	1371.4	---	1371.3	1370.1	1370.7	1370.8	1370.7	1371.0	1370.4	1370.1
24	1371.2	1370.6	1371.1	1370.8	1371.4	1370.2	---	1370.9	1370.3	1370.6	1370.8	1370.3
25	---	1370.9	1371.4	1370.7	---	1370.4	1370.6	---	1370.3	1370.5	1370.7	1370.2
26	1370.9	---	---	1370.7	1371.9	---	1370.5	1370.5	1370.5	1370.4	1370.9	1370.5
27	1370.5	1371.1	1371.5	---	1371.8	1370.6	1370.7	1370.3	1370.3	1370.5	1370.6	1370.4
28	1370.8	1370.7	1371.1	1370.6	1371.9	1370.6	---	1370.6	1370.1	1370.4	1370.8	1370.6
29	---	---	1371.4	1370.4	---	1370.5	1370.4	---	1370.2	1370.3	1370.9	1370.4
30	1370.5	---	---	1370.7	1371.3	---	1369.9	1370.5	1370.1	1370.2	1371.1	1370.6
31	1369.9	---	1371.4	---	1370.9	---	1370.1	1370.5	---	1370.4	---	1369.9

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.

1984 SOLAR IRRADIANCE (Daily Mean)*
NIMBUS 7 CHANNEL 10C
The Eppley Laboratory, Inc.

Units: Watts/m²

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
01	1370.2	1368.9	1370.3	1368.9	1368.3	1370.2	1370.5	1370.8	1369.9	1370.5		
02	1370.1	1370.1	1370.0	1369.1	1369.3	1370.0	---	1371.1	1370.0	---		
03	1370.5	1370.2	1370.3	1369.3	---	1370.3	1370.8	1371.0	1370.1	1370.2		
04	1370.5	1370.7	1370.0	1369.7	1370.2	---	1370.6	1370.9	---	1370.3		
05	1370.7	1370.4	1370.4	1369.6	1369.9	1370.5	1370.9	1370.7	1369.9	1370.7		
06	1370.5	1370.3	1369.9	1370.0	1370.0	1370.4	---	1370.9	1369.6	---		
07	1370.8	1369.5	1370.2	1369.9	---	1370.6	1370.9	---	1371.2	1370.9		
08	1370.7	1369.6	1369.8	1370.1	1369.5	---	1371.0	1370.5	---	1370.6		
09	1370.3	1369.1	1370.0	1369.8	1369.0	1370.9	1371.2	1370.5	1370.8	1370.4		
10	1370.2	1369.2	1369.8	1370.1	1368.9	1370.7	---	1370.7	1370.6	---		
11	1370.4	1369.2	1370.2	1369.8	---	1371.1	1371.2	---	1370.7	---		
12	1370.0	1369.7	1369.8	1370.1	1369.1	---	1370.4	1370.7	1370.5	1370.1		
13	1370.1	1369.7	1370.1	1369.8	1368.9	1371.2	1370.6	1370.7	1370.1	1370.7		
14	1369.8	1370.4	1369.7	1370.0	1369.5	1370.8	---	1370.8	1369.9	---		
15	1370.3	1370.4	1370.2	1369.7	---	1370.8	1370.0	---	1369.9	1370.4		
16	1370.2	1370.7	1370.3	1369.8	1370.6	---	1370.2	1370.6	---	1370.4		
17	1369.9	1370.4	1370.5	---	1370.5	1370.9	1370.3	1370.4	1370.3	1370.2		
18	1369.7	1370.8	1370.4	1369.8	1370.7	1370.6	---	1370.5	1370.3	---		
19	1370.2	1370.2	1370.6	1369.8	---	1370.8	1370.4	---	1370.1	1370.0		
20	1370.1	1370.5	1370.4	1370.2	1370.7	---	1370.1	1370.5	---	1370.1		
21	1370.3	1369.8	1370.6	---	1370.4	1370.5	1370.3	1370.5	1370.4	1370.1		
22	1370.1	1369.8	1370.1	1370.3	1370.5	1370.1	---	1370.5	1370.4	---		
23	1370.4	1369.4	1370.3	1369.6	---	1370.4	1370.0	---	1370.3	1370.8		
24	1369.9	1369.8	1370.0	1369.0	1370.1	---	1369.8	1369.7	---	1370.6		
25	1369.7	1369.6	1370.4	---	1370.1	1370.2	1369.8	1369.7	1370.2	1370.6		
26	1368.2	1370.1	1370.1	1367.7	1370.5	1370.1	---	1369.8	1370.1	---		
27	1367.6	1370.2	1370.3	1367.1	---	1370.1	1370.0	---	1370.1	1370.3		
28	1367.3	1370.3	1369.9	1367.3	1371.1	---	1369.8	1370.4	---	1370.3		
29	1367.3	1370.0	1369.6	---	1370.7	1370.5	1370.1	1370.0	1370.6	1370.3		
30	1367.5		1369.2	1368.0	1370.7	1370.3	---	1370.2	1370.6	1370.2		
31	1368.4		1369.1		---		1371.1	---		1370.1		

*Daily averages are cosine-corrected for any off-axis positioning of the sun in the telescope aperture. All values are normalized to 1 astronomical unit.

Irradiance observations published in SOLAR-GEOPHYSICAL DATA, No. 485, Part II, differ from the above measurements by at most a few tenths of a watt per square meter because the earlier data were not cosine-corrected and because some daily means included either values from questionable orbits or fewer observations.